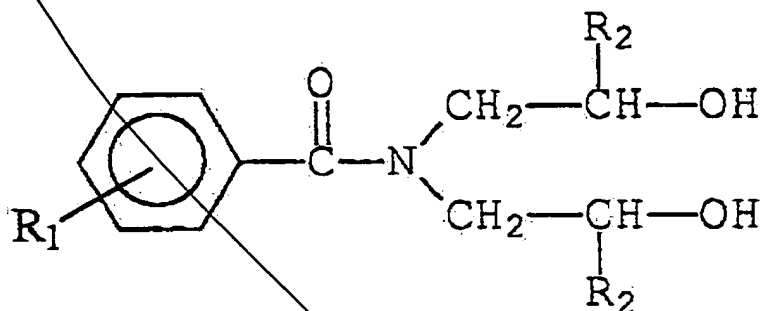


EMS-Chemie AG

Primid II

Claims

1. β -hydroxyalkylamide having the general Formula I:

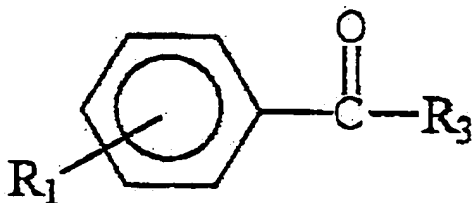


I

where R_1 is H or a linear or branched C_1 to C_{10} alkyl and R_2 is a linear or branched C_1 to C_5 alkyl.

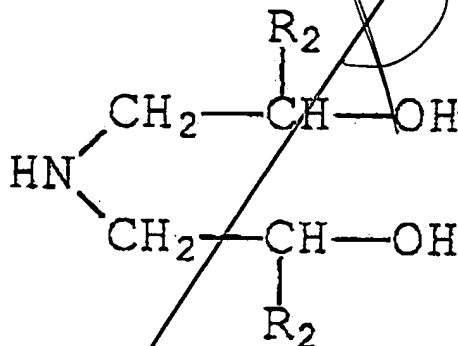
2. β -hydroxyalkylamide as claimed in Claim 1, characterized by the fact that R_1 is H, t-butyl, i-propyl or pentyl and is located in the para position to the CO group.
3. β -hydroxyalkylamide as claimed in Claim 2, characterized by the fact that R_1 is H and R_2 is CH_3 .

sub A2 →
 Process for the production of β-hydroxyalkylamides as claimed in at least one of the Claims 1 to 3, characterized by the fact that a carboxylic acid derivative having the general Formula II:



II

where R₃ is halogen or OR₄, whereby R₄ stands for a linear C₁ to C₅ alkyl, is reacted with an alkanol amine having the general Formula III:



III

and where R₁ and R₂ are defined as indicated above.

1002201E290000

- THE UNIVERSITY OF CHICAGO**

10. Process as claimed in at least one of the Claims 4 to 9, characterized by the fact that the alkanol amine is presented first and the carboxylic acid derivative is added with vigorous agitation or stirring.
11. Use of the β -hydroxyalkylamide as claimed in one of the Claims 1 to 3 as a cross linker for polymers.
12. Use of the β -hydroxyalkylamide as claimed in one of the Claims 1 to 3 as a cross linker for powder coats.
13. Use as claimed in Claim 10, characterized by the fact that it is used as a cross linker for polyester powder coats.
14. Use as claimed in Claim 11, characterized by the fact that a mixture of β -hydroxyalkylamide and another cross linker selected from the β -hydroxyalkylamides and/or epoxies is used as the cross linker.

FOO2201E290000

Sub
B1